PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number **Application Number** 10/625,205 Filing Date TRANSMITTAL July 22, 2003 **FORM** First Named Inventor Jason Davis Art Unit 2621 **Examiner Name** Not Known (to be used for all correspondence after initial filing) Attorney Docket Number C03-003 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Fee Attached Licensing-related Papers of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a **Proprietary Information** After Final **Provisional Application** Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): Request for Refund Copies of cited references **Express Abandonment Request** Postcard CD, Number of CD(s) Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Cognex Corporation Signature Printed name Arthur J. O'Dea Date Reg. No. 42952 7,005

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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Cheryl Sloane

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jason Davis

Examiner:

Unknown

Serial No.:

10/625,205

Group Art Unit:

Unknown

Filed:

July 22, 2003

Docket:

C03-003

Title:

METHODS FOR FINDING AND CHARACTERIZING A DEFORMED

PATTERN IN AN IMAGE

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. <u>03-2357</u> in order to have this Supplemental Information Disclosure Statement considered.

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

In accordance with the Patent and Trademark Office's waiver of the requirement under 37 C.F.R.§ 1.98(a)(2)(i), copies of the listed U.S. patents are not enclosed because the current application has been filed after June 30, 2003.

In accordance with the waiver of 37 C.F.R.§ 1.98(a)(2)(i) for submitting a copy of each

Filing Date: July 22, 2003

Title: METHODS FOR FINDING AND CHARACTERIZING A DEFORMED PATTERN IN AN IMAGE

cited U.S. patent and publication for all U.S. national patent applications filed after June 30, 2003, only copies of the foreign references and other documents are enclosed.

Pursuant to 37 C.F.R.§ 1.98(a)(3)(i), a concise explanation of the relevance of each document listed that is not in the English language is provided as follows:

The reference by Jens-Rainer Ohm, entitled "Digitale Bildcodierung; section 6.2 Bewegungsschätzung," relates to pixel oriented procedures that generally describe image analysis methods based on image data content.

Respectfully submitted,

JASON DAVIS

By his Representatives,

Date ____May 16, 2005

508-650-3108

Arthur J. O'Dea

Reg. No. 42952

Cheryl Sloane

PTO/S8/08A(08-03)
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Complete if Known Substitute for form 1449A/PTO INFORMATION DISCLOSURE **Application Number** 10/625,205 STATEMENT BY APPLICANT **Filing Date** July 22, 2003 (Use as many sheets as necessary Davis, Jason **First Named Inventor** MAY 1 8 2005 **Group Art Unit** Unknown **Examiner Name** Unknown Attorney Docket No: C03-003 Sheet 1 of 1

-	US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines,Where Relevant Passages or Relevant Figures Appear			
	US-5,933,516	08/03/1999	Tu, Peter H., et al.				
	US2002/00546 99A1	05/09/2002	Roesch, Peter, et al.				

		FOREIGN PAT	ENT DOCUMENTS		
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines, Where Relevant Passages or Relevant Figures Appear	T²
	DE-DE 44 06 020 C 1	06/29/1995	Konen, Wolfgang, et al.		

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		BELONGIE, S., et al., "Shape Matching and Object Recognition Using Shape Contexts", IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Inc. New York, Vol. 24, No. 4, (April, 2003),509 - 522	
		BILESCHI, S., et al., "Advances in Component-based Face Detection", <u>Lecture notes in Computer Science</u> , Springer Verlag, New York, NY, Vol. 2388, (2002),135 - 143	
		OHM, JENS-RAINER, "Digitale Bildcodierung", Springer Verlag, Berlin 217580, XP0002303066, Section 6.2 Bewegungschatzung, (1995),	
		WEI, WEN, et al., "Recognition and Insprection of Two-Dimensional Industrial Parts Using Subpolygons", Pattern Recognition, Elsevier, Kidlington, GB, Vol. 25, No. 12, (12/1/1992),1427 - 1434	